

WHAT IS CLAIMED AND DESIRED TO BE SECURED BY LETTERS  
PATENT OF THE UNITED STATES IS:

1 1. A method of providing a user interface for  
2 control of at least one camera, comprising the steps  
3 of:

4 displaying a representation of a scene;

5 displaying at least one drag and drop icon  
6 associated with at least one camera; and

7 directing at least one view of said at least one  
8 camera toward locations in said scene corresponding to  
9 positions identified on said representation by said  
10 icons.

1 2. The method according to claim 1, wherein said  
2 step of directing comprises the step of retrieving at  
3 least one virtual view, from at least one of said  
4 cameras, corresponding to said positions identified.

1 3. The method according to claim 1, wherein said  
2 step of displaying comprises the steps of:

3 retrieving plural camera images; and  
4 composing said representation from said plural  
5 camera images.

1 4. The method according to claim 1, wherein:  
2 said at least one camera is a camera array; and  
3 at least one of said drag and drop icons each  
4 correspond to a virtual view of said camera array.

1 5. The method according to claim 1, wherein:  
2 at least one of said drag and drop icons is an  
3 expandable drag and drop icon, and an amount of zoom of  
4 the associated camera is controlled by a size of said  
5 drag and drop icon.

1 6. The method according to claim 5, further  
2 comprising the step of:  
3 maintaining a proper aspect ratio during user  
4 resizing of said drag and drop icon.

1 7. The method according to claim 1, wherein said  
2 drag and drop icon is a frame like object indicating a  
3 view of said camera.

1 8. The method according to claim 1, wherein:  
2 at least one of said drag and drop icons has a  
3 center portion and a handle movable with respect to  
4 said center portion; and  
5 said method further comprises the step of:  
6 adjusting a parameter of at least one of said  
7 cameras based on a position of said handle in an icon  
8 associated with the cameras being adjusted.

1 9. The method according to claim 8, said  
2 parameter is at least one of an amount of zoom,  
3 brightness, contrast, and other effects of the  
4 associated camera.

1 10. The method according to claim 1, further  
2 comprising the step of:

3 panning a view of a camera associated with a  
4 selected icon during a drag operation performed on the  
5 selected icon.

6 11. A method of providing a user interface for  
7 control of at least one camera, comprising the steps  
8 of:

9 displaying a wide angle view of a scene on a pen  
10 based device;

11 recognizing an input drawn on said pen based  
12 device;

13 directing a camera toward a location in said scene  
14 corresponding to a position on said wide angle view  
15 that said input is drawn; and

16 displaying a view associated with the input drawn.

1 12. The method according to claim 11, wherein:

2 said camera comprises a camera array;

3 said step of recognizing comprises the step of  
4 recognizing inputs drawn on said pen based device;

5        said step of directing comprises selecting a  
6        virtual view for each of said inputs said wide angle  
7        view from images; and

8        said step of displaying comprises the step of  
9        displaying at least one of said virtual views.

1        13. The method according to claim 11, wherein:

2        said step of recognizing comprises the step of  
3        recognizing an approximate size of said input drawn;  
4        and

5        said method further comprises the step of zooming  
6        said camera to an approximate view covered by the  
7        approximate size of said input drawn.

1        14. The method according to claim 13, wherein:

2        said step of recognizing comprises the step of  
3        recognizing an approximate size and shape of said input  
4        drawn; and

5        said method further comprises the step of a view  
6        covered by the approximate size of said input drawn.

1 15. A device for directing a camera, comprising:  
2 a control display panel, having,  
3 a detection mechanism configured to detect an  
4 object placed on said control display panel; and  
5 a camera control device configured to direct at  
6 least one camera toward a scene at an angle  
7 corresponding to a location said object was placed on  
8 said control display panel.

1 16. The device according to claim 15, further  
2 comprising an object for placement on said control  
3 display panel.

1 17. The device according to claim 16, wherein  
2 said object is at least one of a pen and a token.

1 18. The device according to claim 15, wherein  
2 said control display panel is further configured to  
3 display a wide angle view of said scene.

1 19. The device according to claim 15, wherein:  
2 said detection mechanism is further configured to  
3 detect a size and shape of objects placed on said  
4 display panel; and

5 said camera control device is further configured  
6 to adjust a parameter of said at least one camera based  
7 on at least one of a size and shape of said objects.

1 20. The device according to claim 19, further  
2 comprising a set of at least one physical token  
3 configured to control functions of said camera control  
4 device based on a size and shape of the tokens.